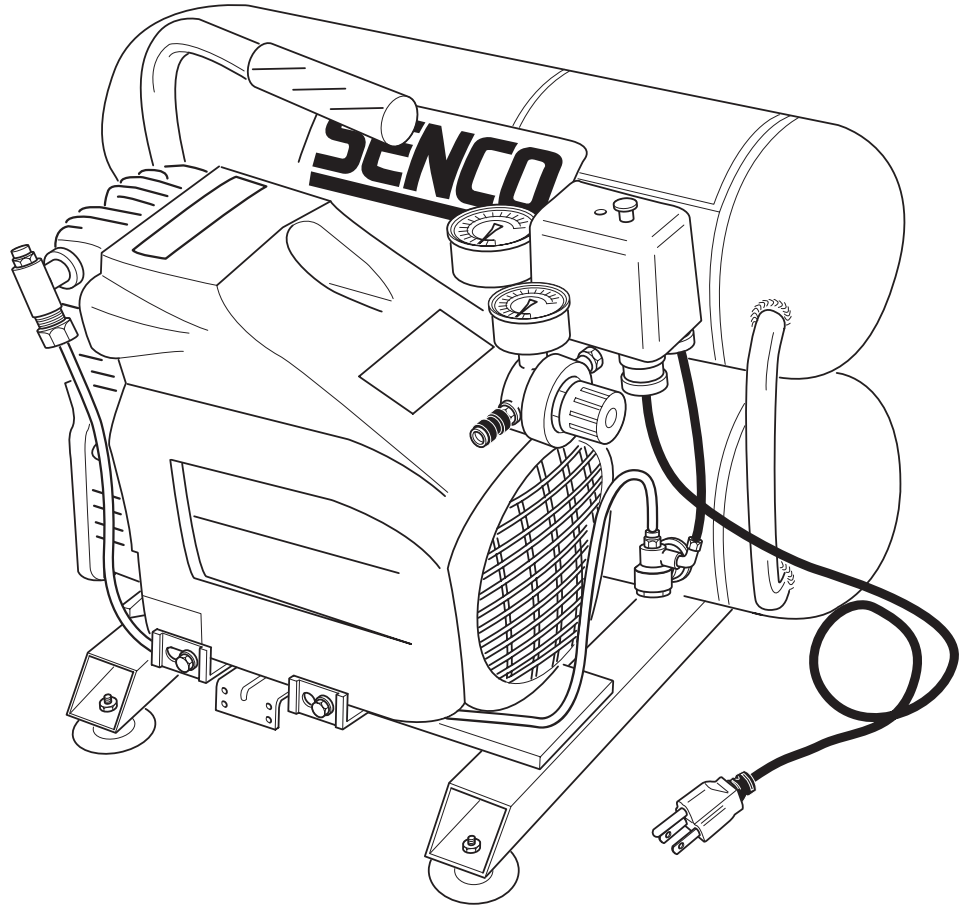




**SENCO 1000** SERIES  
PC1001

Questions? Comments? call SENCOS toll-free Action-line: 1-888-222-8144 or, e-mail: toolprof@senco.com

# *PC 1001 Electric Air Compressor*



## *Operating Instructions*

Document #FN1001 Issued 5/30/A



Warnings for the safe use of this compressor are included in this manual.

## TABLE OF CONTENTS

<b>INTRODUCTION .....</b>	<b>3</b>
SAFETY ALERT .....	3
INSPECTION .....	3
<b>SAFETY WARNINGS .....</b>	<b>4</b>
ELECTRICAL .....	4
EXPLOSION OR FIRE .....	5
BURSTING .....	5
BREATHING .....	6
BURNS .....	6
FLYING OBJECTS .....	6
MOVING PARTS .....	7
NEGLIGENCE .....	7
AIR COMPRESSOR DAMAGE .....	7
<b>COMPRESSOR FEATURES .....</b>	<b>8</b>
<b>PREPARATION .....</b>	<b>10</b>
INITIAL SET-UP .....	10
LOCATION .....	10
ELECTRICAL .....	10
<b>OPERATION .....</b>	<b>11</b>
PRE-START CHECKLIST .....	11
START-UP .....	11
SHUTDOWN .....	11
<b>MAINTENANCE .....</b>	<b>11</b>
<b>TROUBLESHOOTING .....</b>	<b>12-14</b>
<b>SPECIFICATIONS .....</b>	<b>15</b>
<b>WARRANTY .....</b>	<b>16</b>
<b>PARTS REFERENCE GUIDE .....</b>	<b>17</b>

## INTRODUCTION

Congratulations on the purchase of your new SENCO® Air Compressor! You can be assured your SENCO Air Compressor was constructed with the highest level of precision and accuracy. Each component has been rigorously tested by technicians to ensure the quality, endurance and performance of this air compressor.

This operator's manual was compiled for your benefit. By reading and following the simple safety, installation and operation, maintenance and troubleshooting steps described in this manual, you will receive years of troublefree operation from your new SENCO® Air Compressor. The contents of this manual are based on the latest product information available at the time of publication. The manufacturer reserves the right to make changes in price, color, materials equipment, specifications or models at any time without notice.



### SAFETY ALERT!

A "**DANGER, WARNING or CAUTION**" safety warning will be surrounded by a "**SAFETY ALERT BOX**". This box is used to designate and emphasize Safety Warnings that must be followed when operating this air compressor. Accompanying the safety warnings are "Signal Words" which designate the degree or level of hazard seriousness. The "Signal Words" used in this manual are as follows:

**DANGER:** Indicates an imminently hazardous situation which, if not avoided, WILL result in death or serious injury.

**WARNING:** Indicates a potentially hazardous situation which, if not avoided, COULD result in death or serious injury.

**CAUTION:** Indicates a potentially hazardous situation which, if not avoided MAY result in minor or moderate injury or damage to the air compressor.



The symbols set to the left of this paragraph are "Safety Alert Symbols". These symbols are used to call attention to items or procedures that could be dangerous to you or other persons using this equipment.

**ALWAYS PROVIDE A COPY OF THIS MANUAL TO ANYONE USING THIS EQUIPMENT. READ ALL INSTRUCTIONS IN THIS MANUAL AND ANY INSTRUCTIONS SUPPLIED BY MANUFACTURERS OF SUPPORTING EQUIPMENT BEFORE OPERATING THIS AIR COMPRESSOR AND ESPECIALLY POINT OUT THE "SAFETY WARNINGS" TO PREVENT THE POSSIBILITY OF PERSONAL INJURY TO THE OPERATOR.**

## INSPECTION

Unbox the air compressor and write in the serial number in the space provided below. Inspect for signs of obvious or concealed freight damage. Be sure that all damaged parts are replaced and any mechanical problems are corrected prior to the operation of the air compressor.

**SERIAL NUMBER** \_\_\_\_\_

If you have Questions or Comments call SENCO's toll-free Action-line: **1-800-543-4596** or, e-mail: [toolprof@Senco.com](mailto:toolprof@Senco.com)

Please have the following information available for all service calls:


1. Model Number
2. Serial Number
3. Date and Place of Purchase

Senco® Corporation 8485 Broadwell Road, Cincinnati, OH 45244



## SAFETY WARNINGS

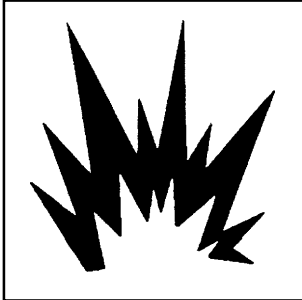
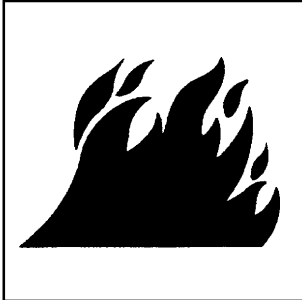
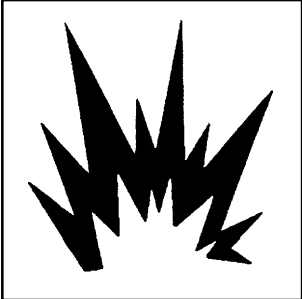
READ ALL SAFETY WARNINGS BEFORE USING AIR COMPRESSOR

HAZARD	POTENTIAL CONSEQUENCE	PREVENTION
<p data-bbox="193 410 432 527"><b>RISK OF ELECTRIC SHOCK OR ELECTROCUTION</b></p> 	<p data-bbox="536 372 970 555">Serious injury or death could occur if the air compressor is not properly grounded. Your air compressor is powered by electricity and may cause electric shock or electrocution if not used properly.</p> <p data-bbox="536 587 970 646">Electrical shock may occur from electrical cord.</p> <p data-bbox="536 1019 970 1078">Electrical shock may occur if air compressor is not operated properly.</p> <p data-bbox="536 1264 970 1357">Serious injury or death may occur if electrical repairs are attempted by unqualified persons.</p>	<p data-bbox="1002 372 1417 523">Make sure the air compressor is plugged into a properly grounded outlet which provides correct voltage and adequate fuse protection.</p> <p data-bbox="1002 587 1417 676">Check power cord for signs of crushing, cutting or heat damage. Replace faulty cord before use.</p> <p data-bbox="1002 708 1417 895">Keep all connections dry and off the ground. Do not allow electrical cords to lay in water or in such a position where water could come in contact with them. Do not touch plug with wet hands.</p> <p data-bbox="1002 927 1417 987">Do not pull on the electrical cord to disconnect from the outlet.</p> <p data-bbox="1002 1019 1417 1108">Never operate air compressor in wet conditions or outdoors when it is raining.</p> <p data-bbox="1002 1140 1417 1229">Never operate air compressor with safety guards/covers removed or damaged.</p> <p data-bbox="1002 1264 1417 1451">Any electrical wiring or repairs performed on this air compressor should be done by Authorized Service Personnel in accordance with National and Local electrical codes.</p> <p data-bbox="1002 1483 1417 1755">Before opening any electrical enclosure, always shut off the air compressor, relieve pressure and unplug the air compressor from the power source. Allow air compressor to cool down. Never assume the air compressor is safe to work on just because it is not operating. It could restart at any time!</p>



## SAFETY WARNINGS

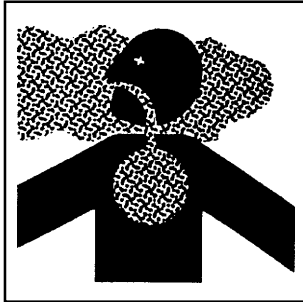
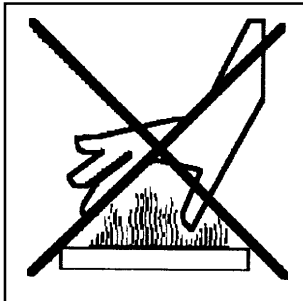
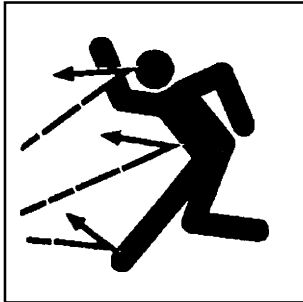
READ ALL SAFETY WARNINGS BEFORE USING AIR COMPRESSOR

HAZARD	POTENTIAL CONSEQUENCE	PREVENTION
<p data-bbox="231 368 504 425"><b>RISK OF EXPLOSION OR FIRE</b></p>  	<p data-bbox="587 372 1023 459">Serious injury or death may occur from normal electrical sparks in motor and pressure switch.</p> <p data-bbox="587 772 1023 891">Serious injury may occur if any air compressor ventilation openings are restricted, causing the air compressor to overheat and start on fire.</p>	<p data-bbox="1054 372 1469 517">Always operate air compressor in a well ventilated area free of flammable vapors, combustible dust, gases or other combustible materials.</p> <p data-bbox="1054 585 1469 729">If spraying flammable material, locate the air compressor at least 20 feet away from the spray area. (An additional hose may be required.)</p> <p data-bbox="1054 772 1469 917">Never place objects against or on top of air compressor. Operate air compressor at least 12 inches away from any wall or obstruction that would restrict proper ventilation.</p>
<p data-bbox="284 1151 426 1208"><b>RISK OF BURSTING</b></p> 	<p data-bbox="587 1144 1023 1232">Serious injury or death may occur from an air tank explosion if air tanks are not properly maintained.</p> <p data-bbox="587 1576 1023 1721">Serious injury may occur from an air compressor malfunction or exploding accessories if incorrect system components, attachments or accessories are used.</p>	<p data-bbox="1054 1144 1469 1232">Drain air tank daily or after each use to prevent moisture buildup in the air tank.</p> <p data-bbox="1054 1266 1469 1444">If air tank develops a leak, replace the air tank immediately. Never repair, weld or make modifications to the air tank or its attachments. Use only genuine SENCO® repair parts for your air compressor.</p> <p data-bbox="1054 1478 1469 1536">Never make adjustments to the factory set pressures.</p> <p data-bbox="1054 1570 1469 1657">Never exceed manufacturers maximum allowable pressure rating of attachments.</p> <p data-bbox="1054 1691 1469 1779">Because of extreme heat, do not use plastic pipe or lead tin soldered joints for a discharge line.</p> <p data-bbox="1054 1813 1469 1900">Never use air compressor to inflate small, low pressure objects such as toys.</p>



## SAFETY WARNINGS

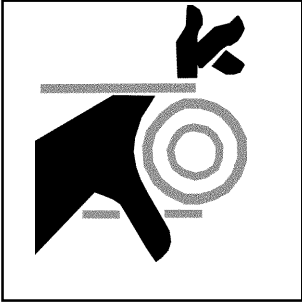
READ ALL SAFETY WARNINGS BEFORE USING AIR COMPRESSOR

HAZARD	POTENTIAL CONSEQUENCE	PREVENTION
<p style="text-align: center;"><b>RISK TO BREATHING</b></p> 	<p>Serious injury or death could occur from inhaling compressed air. The air stream may contain carbon monoxide, toxic vapors or solid particles.</p> <p>Sprayed materials such as paint, paint solvents, paint remover, insecticides, weed killers, etc. contain harmful vapors and poisons.</p>	<p>Never inhale air from the air compressor either directly or from a breathing device connected to the air compressor.</p> <p>Operate air compressor only in a well ventilated area. Follow all safety instructions provided with the materials you are spraying. Use of a respirator may be required when working with some materials.</p>
<p style="text-align: center;"><b>RISK OF BURNS</b></p> 	<p>Serious injury could occur from touching exposed metal parts. These areas can remain hot for some time after the air compressor is shutdown.</p>	<p>Never allow any part of your body or other materials to make contact with any exposed metal parts on the air compressor.</p>
<p style="text-align: center;"><b>RISK OF FLYING OBJECTS</b></p> 	<p>Soft tissue damage can occur from the compressed air stream.</p> <p>Serious injury can occur from loose debris being propelled at a high speed from the compressed air stream.</p>	<p>Always wear OSHA required “287” safety glasses to shield the eyes from flying debris.</p> <p>Never point the air stream at any part of your body, anyone else or animals.</p> <p>Never leave pressurized air compressor unattended. Shut off air compressor and relieve pressure before attempting maintenance, attaching tools or accessories.</p> <p>Always maintain a safe distance from people and animals while operating the air compressor.</p> <p>Do not move the air compressor while air tank is under pressure. Do not attempt to move the air compressor by pulling on the hose.</p>



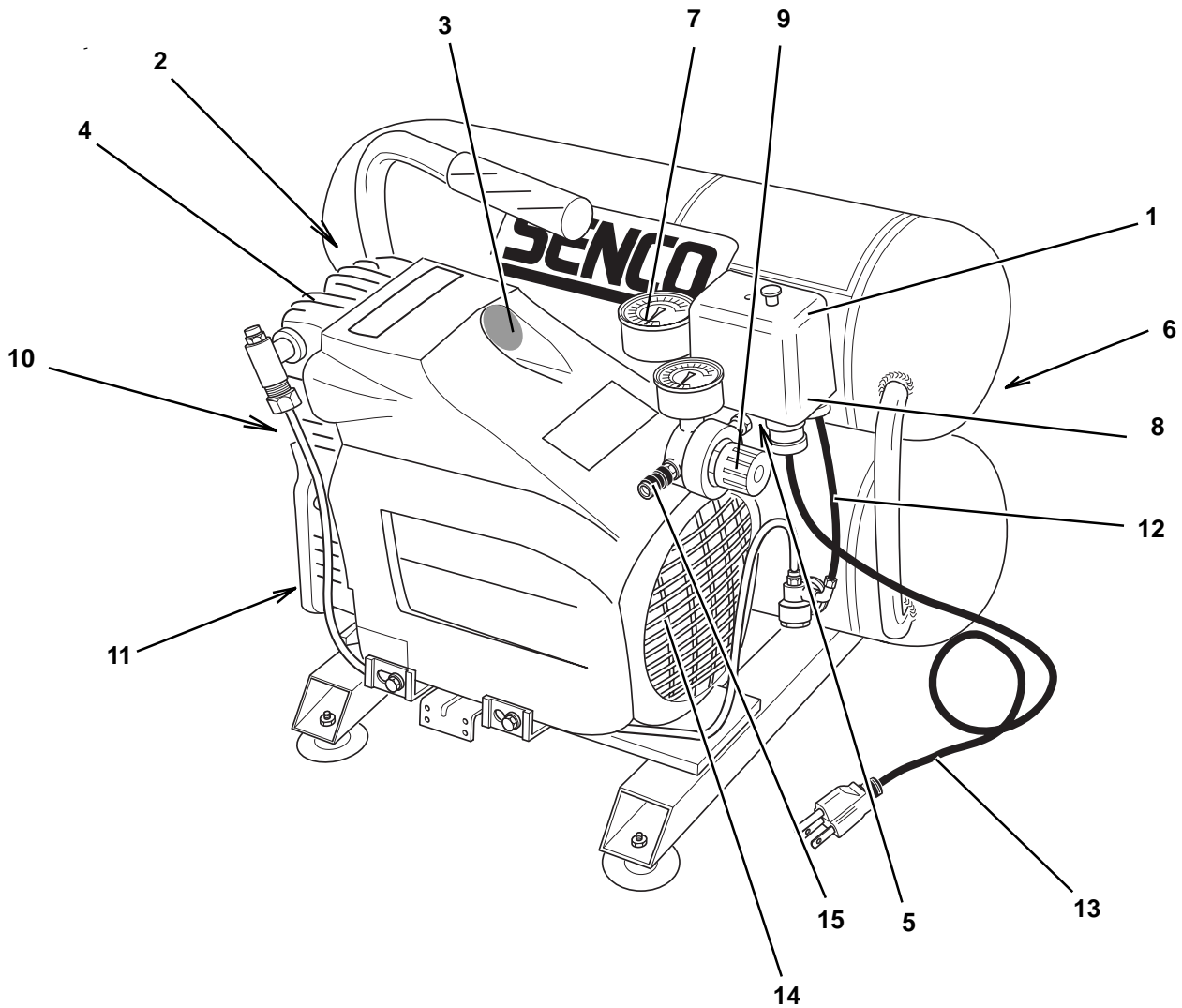
## SAFETY WARNINGS

READ ALL SAFETY WARNINGS BEFORE USING AIR COMPRESSOR

HAZARD	POTENTIAL CONSEQUENCE	PREVENTION
<p><b>RISK FROM MOVING PARTS</b></p> 	<p>Risk of bodily injury from moving parts. This air compressor cycles automatically when the pressure switch is in the "On/Auto" position.</p> <p>Risk of injury from negligent use.</p>	<p>Always turn off air compressor when not in use. Bleed pressure from the air hose and unplug from electrical outlet before performing maintenance. All repairs to the air compressor should be made by an Authorized Service person. Never assume the air compressor is safe to work on just because it is not operating. It could restart at any time!</p> <p>Do not operate without protective covers/guards. Replace damaged covers/guards before using the air compressor.</p>
<p><b>RISK FROM NEGLIGENCE</b></p>		<p>Never allow children or adolescents to operate this air compressor!</p> <p>Stay alert-watch what you are doing. Do not operate the air compressor when fatigued or under the influence of alcohol or drugs.</p> <p>Know how to stop the air compressor. Be thoroughly familiar with controls.</p>
<p><b>RISK OF AIR COMPRESSOR DAMAGE</b></p>	<p>Risk of major repair.</p>	<p>Do not operate air compressor without an air filter.</p> <p>Do not operate air compressor in a corrosive environment.</p> <p>Do not incline the air compressor transversely or longitudinally more than 10°.</p> <p>Ensure the oil level is above the minimum notch and below the maximum notch on the dipstick. If low, add compressor pump oil.</p> <p>Always operate the air compressor in a stable, secure position to prevent air compressor from falling.</p> <p>Follow all maintenance instructions listed in this manual.</p>

**! SAVE THESE INSTRUCTIONS !**

## COMPRESSOR FEATURES

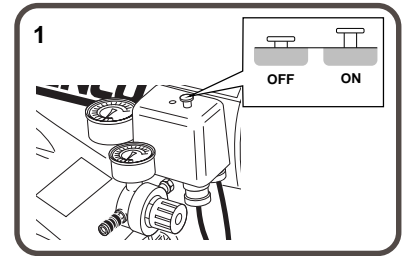


- 1 Motor/Pressure Switch
- 2 Thermal Overload / Reset
- 3 Air Intake Filter
- 4 Air Compressor Pump
- 5 Safety Relief Valve
- 6 Air tank drain valve
- 7 Tank Pressure Gauge
- 8 Outlet Pressure Gauge
- 9 Pressure Regulator
- 10 Oil Dipstick
- 11 Oil Drain
- 12 Discharge Line
- 13 115 Volt Electric Power Cord
- 14 Ventilation Openings / Protective Shroud
- 15 Quick Disconnect

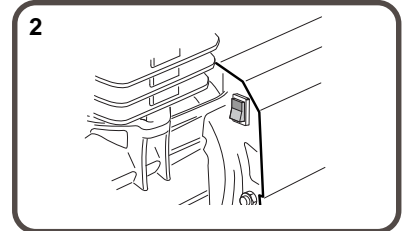


## COMPRESSOR FEATURES

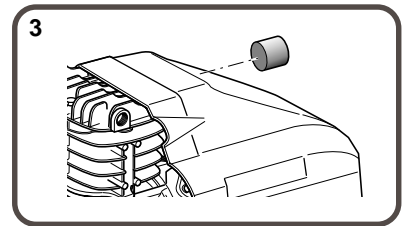
**1) MOTOR/PRESSURE SWITCH:** This switch is used to start or stop the air compressor. Moving the switch to the “Auto” (On) position will provide automatic power to the pressure switch which will allow the motor to start when the air tank pressure is below the factory set “cut-in” pressure. When in the Start/ Stop Option, the pressure switch stops the motor when the air tank pressure reaches the factor set “cut out” pressure. For safety purposes, this switch also has a pressure release valve located on the side of the switch designed to automatically release compressed air from the air compressor pump head and its discharge line when the air compressor reaches “cut-out” pressure or is shut off. This allows the motor to restart freely. Moving the switch to the “Off” position will remove power from the pressure switch and stop the air compressor.



**2) MOTOR THERMAL OVERLOAD:** The electric motor has a manual thermal overload protector. If the motor overheats for any reason, the thermal overload will cut off power, thus preventing the motor from being damaged. Wait until the motor is cool before pressing the thermal overload button to reset and begin working again.

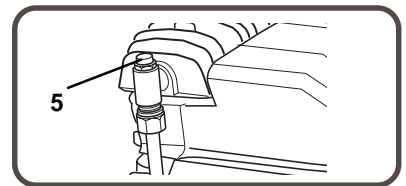


**3) AIR INTAKE FILTER:** This filter is designed to clean air coming into the pump. To ensure the pump continually receives a clean, cool, dry air supply this filter must always be clean and ventilation opening free from obstructions. The filter can be removed for cleaning by using warm, soapy water. Rinse the filter and air dry. Replace filter when necessary.

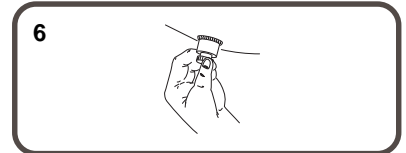


**4) AIR COMPRESSOR PUMP:** To compress air, the pistons move up and down in the cylinders. On the downstroke, air is drawn in through the air intake valves while the exhaust valves remain closed. On the upstroke, air is compressed, the intake valves close and compressed air is forced out through the exhaust valves, into the discharge line, through the check valve and into the air tank.

**5) SAFETY RELIEF VALVE:** This valve is designed to prevent system failures by relieving pressure from the system when the compressed air reaches a predetermined level. The valve is preset by the manufacturer and must not be modified in any way. To verify the valve is working properly, pull on the ring. Air pressure should escape. When the ring is released, it will reset.

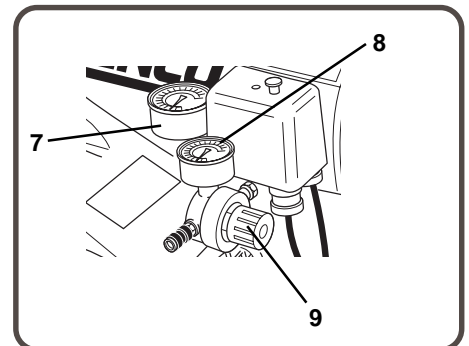


**6) AIR TANK DRAIN VALVE:** The drain valve is used to remove moisture from the air tank(s) after the air compressor is shut off. **NEVER attempt to open the drain valve when more than 10 PSI of air pressure is in the air tank!** To open the drain valve, turn the knob counterclockwise.



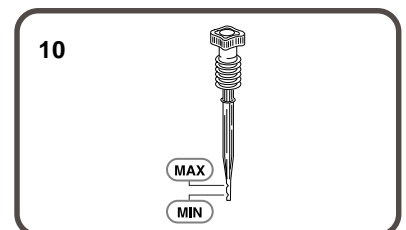
**7) AIR TANK PRESSURE GAUGE:** The air tank pressure gauge indicates the reserve air pressure in the air tank (s).

**8) OUTLET PRESSURE GAUGE:** The outlet pressure gauge indicates the air pressure available at the outlet side of the regulator. This pressure is controlled by the regulator and is always less or equal to the air tank pressure.



**9) PRESSURE REGULATOR:** The air pressure coming from the air tank is controlled by the regulator knob. Turn the pressure regulation knob clockwise to increase discharge pressure, and counterclockwise to decrease discharge pressure.

**10) OIL DIPSTICK:** The dipstick will register the amount of oil in the pump. Oil level should be checked on a daily basis to ensure it does not exceed the maximum notch or fall below the minimum notch on the dipstick



## PREPARATION

### INITIAL SET-UP:

1. Read safety warnings before setting-up air compressor.
2. Ensure the oil level is above the minimum notch and below the maximum notch on the dipstick. If low, add compressor pump oil.

### LOCATION:

#### CAUTION

**In order to avoid damaging the air compressor, do not incline the air compressor transversely or longitudinally more than 10°.**

1. Place air compressor at least 12 inches away from obstacles that may prevent proper ventilation. Do not place air compressor in an area:
  - where there is evidence of oil or gas leaks.
  - where flammable gas vapors or materials may be present.



#### WARNING

**Serious injury or death may occur if electrical sparks from motor and pressure switch come in contact with flammable vapors, combustible dust, gases or other combustible materials. When using the air compressor for spray painting, place the air compressor as far away from the work area as possible, using extra air hoses instead of extension cords.**

- where air temperatures fall below 32°F or exceed 104°F.
- where extremely dirty air or water could be drawn into the air compressor.

### ELECTRICAL:



#### DANGER

**Improper connection of the equipment-grounding conductor can result in a risk of shock or electrocution. Check with a qualified electrician or service personnel if you are in doubt as to whether the outlet is properly grounded. Do not use any type of adapter with this product. If repair or replacement of the cord or plug is necessary, do not connect the grounding wire to either flat blade terminal. The wire with insulation having an outer surface that is green with or without yellow stripes is the grounding wire.**



#### WARNING

**This product must be grounded. If there should be a malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This product is equipped with a cord having an equipment-grounding conductor and a grounding type plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.**

1. SENCO® DOES NOT RECOMMEND THE USE OF EXTENSION CORDS as this can create power loss and overheating of the motor. Use of an additional air hose is recommended rather than an extension cord. If use of an extension cord is unavoidable, it should be plugged into a GFCI found in circuit boxes or protected receptacles. When using an extension cord, observe the following:

<u>Cable Length</u>	<u>Wire Gauge</u>
Up to 25 feet	12 AWG
Up to 100 feet	10 AWG
Up to 150 feet	8 AWG
Up to 250 feet	6 AWG

Use only 3-blade extension cords that have 3-blade grounding-type plugs and 3-slot cord connectors that will accept the plug from the product. Use only extension cords having an electrical rating not less than the rating of the product. Do not use damaged extension cords. Examine extension cord before using and replace if damaged. Do not abuse extension cord and do not yank on any cord to disconnect. Keep cord away from heat and sharp edges. Always shut off the air compressor switch before removing the plug from the receptacle.

## OPERATION

### PRE-START CHECKLIST:

1. Check oil level. Add if necessary.
2. Remove any moisture in the air compressor air tank. Remove excessive pressure with an air tool, then open the air tank drain valve in the bottom of the air tank. Close tightly when drained.



3. Make sure the air compressor Motor Switch is in the “OFF” position.
4. Make sure all safety valves are working correctly.
5. Make sure all guards and covers are in place and securely mounted.

### START-UP:

1. Ensure the lever on the pressure switch box is in the “OFF” position.
2. Plug the power cord into a grounded outlet.
3. Move the lever on the pressure switch box to the “AUTO” position.
4. **START/STOP OPTION:** Turn it completely clockwise to the fully closed position. This will allow the air compressor to “START” building up pressure in the air tanks and “STOP” when correct pressure is achieved. When pressure drops with usage, the air compressor will “START” building up pressure again.

**CONSTANT RUN OPTION:** Locate the adjustment knob at the top of the pilot valve. Turn it completely counterclockwise to the fully open position. The air compressor is now set up to “CONSTANTLY” build up pressure. When pressure reaches the preset level in the air tank, pressure will bleed through the pilot valve.

5. Set pressure by adjusting the pressure regulator knob counterclockwise for less pressure and clockwise for more pressure.
6. If you notice any unusual noise or vibration, stop the air compressor and refer to “Troubleshooting”.

### SHUTDOWN:

1. To stop the air compressor, move the lever on the pressure switch box to the “OFF” position. NEVER stop the air compressor by unplugging it from the power source. This could result in risk of electrocution.
2. Drain air from the air tanks by releasing air with an attached air tool or by pulling on the safety relief valve rings.
3. Once pressure in the air tanks register under 10 pounds, open the drain valve under each air tank to drain any moisture.
4. Allow the air compressor to cool down.
5. Wipe air compressor clean and store in a safe, non-freezing area.

## MAINTENANCE

Read the instruction manual before performing maintenance. The following procedures must be performed when stopping the air compressor for maintenance or service.

1. Turn off air compressor.



2. Disconnect cord from main power supply.
3. Open all drains.
4. Wait for the air compressor to cool before starting service.

### MAINTENANCE CHART

PROCEDURE	DAILY	WEEKLY	MONTHLY	200 HOURS
Check pump oil level	X			
Oil leak inspection	X			
Drain condensation in air tank(s)	X			
Check for unusual noise/vibration	X			
Check for air leaks	X			
Inspect air filter		X		
Clean exterior of compressor		X		
Check safety relief valve			X	
Change pump oil*				X
Replace air filter				X

\*The pump oil must be changed after the first 50 hours of operation and every 200 hours or 3 months, whichever comes first. Recommended non-detergent straight weights.

## TROUBLESHOOTING

### Symptom 1. Motor will not run or restart.

Power cord not plugged in.	Plug cord into grounded outlet.
Motor/Pressure switch in "OFF" position.	Move switch to "AUTO" position.
Motor thermal overload switch has tripped.	Turn air compressor off, wait until motor is cool, then press motor thermal overload (red) button firmly until click is heard.
Fuse blown or circuit breaker has tripped.	Replace fuse or reset circuit breaker. Check for proper fuse amperage. Check for low voltage conditions. Disconnect any other electrical appliances from circuit or operate air compressor on its own branch circuit.
Wrong gauge wire or length of extension cord.	Check chart on page #9 for proper gauge wire and cord length.
Air tank pressure exceeds motor/pressure switch "cut-in" pressure.	Motor will start automatically when air tank pressure drops below "cut-in" pressure of motor/pressure switch.
Pressure release valve on motor/pressure switch has not unloaded pump head pressure.	Bleed the line by moving the switch to the "Off" position.
Defective motor, motor capacitor, motor/pressure switch, or check valve.	Contact Senco Customer Service.

### Symptom 2. Noisy operation.

Loose motor pulley or pump flywheel.	Tighten pulley and or flywheel.
Lack of oil in the pump.	Add correct amount of oil. Check for bearing damage.
Carbon deposits on pistons or valves.	Remove cylinder head and inspect. Clean or replace.
Bearing, piston or connecting rod failure.	STOP THE COMPRESSOR! Contact Senco Customer Service.

## TROUBLESHOOTING

### Symptom 3. When in the Start/Stop option, motor runs continuously.

**PROBABLE CAUSE**

Motor/Pressure switch does not shut off motor when air compressor reaches “cut-out” pressure and safety relief valve activates.

Air compressor is incorrectly sized.

**REMEDY**

Move the motor/pressure switch to the “Off” position. If the motor doesn’t shut off, unplug the air compressor. If the electrical contacts are welded together, replace the pressure switch.

Limit the air pressure to the capacity of the air compressor. Either use a smaller tool or a larger air compressor.

### Symptom 4. Air continues to leak at motor/pressure switch release valve after motor stops.

**PROBABLE CAUSE**

Defective pilot valve, the check valve is stuck open.

**REMEDY**

Remove, clean or replace.

### Symptom 5. Air continues to leak at motor/pressure switch release valve while motor is running.

**PROBABLE CAUSE**

Defective motor/pressure switch.

**REMEDY**

Replace.

### Symptom 6. Air leaks from safety relief valve.

**PROBABLE CAUSE**

Possible defective safety relief valve.

Excessive air tank pressure.

**REMEDY**

Operate safety relief valve manually by pulling on ring. If it still leaks, it should be replaced.

Defective motor/pressure switch. Replace.

### Symptom 7. Air leaks at pump.

**PROBABLE CAUSE**

Defective gaskets.

**REMEDY**

Replace and torque head bolts to 20 ft./lbs.

### Symptom 8. Air leaks at fittings.

**PROBABLE CAUSE**

Fittings are not tight enough.

**REMEDY**

Tighten fittings where air can be heard escaping. Check fittings with soapy water solution. **Do not overtighten.**

### Symptom 9. Air leak in air tank.

**PROBABLE CAUSE**

Defective or rusted air tank.

**REMEDY**

Air tank must be replaced. **Do not attempt to repair air tank!**

### Symptom 10. Air blowing from inlet filter.

**PROBABLE CAUSE**

Damaged inlet (reed) valve.

**REMEDY**

Contact SENCO Customer Service 888-222-8144.

## TROUBLESHOOTING

### Symptom 11. Insufficient pressure at air tool or accessory.

<b>PROBABLE CAUSE</b>	<b>REMEDY</b>
Pressure regulator knob not turned to high enough pressure or defective pressure regulator.	Adjust pressure regulator knob to proper setting or replace.
Restricted air intake filter.	Clean or replace.
Air leaks.	Check for leaks and repair.
Hose or hose connections are too small or long.	Replace with larger hose or connectors.
Air compressor is not large enough for air requirement.	Check the accessory air requirement. If it is higher than the CFM or pressure supply of the air compressor, you need a larger air compressor.

### Symptom 12. Air compressor not making enough air.

<b>PROBABLE CAUSE</b>	<b>REMEDY</b>
Restricted air intake filter.	Clean or replace.
Defective (reed) valve.	Drain air tank and measure pump up time. Compare to specifications. If lower, remove pump head and inspect valve plate, clean or replace.
Restriction in pilot valve.	Clean or replace.

### Symptom 13. Excessive oil consumption in pump.

<b>PROBABLE CAUSE</b>	<b>REMEDY</b>
Restricted air intake filter.	Clean or replace.
Air compressor on unlevel surface.	Do not incline the air compressor more than 10° in any direction while running.
Crankcase overfilled with oil.	Drain oil. Refill to proper level with oil.
Plugged oil dipstick vent.	Clean.
Oil leaks.	Repair.
Worn piston rings or scored cylinder.	Contact Senco Customer Service.

### Symptom 14. Oil has milky appearance.

<b>PROBABLE CAUSE</b>	<b>REMEDY</b>
Water in oil due to condensation.	Change oil and move air compressor to a less humid environment.

### Symptom 15. Moisture in discharge air.

<b>PROBABLE CAUSE</b>	<b>REMEDY</b>
Condensation in air tank caused by high level of atmospheric humidity or air compressor is not run long enough.	Drain air tank after every use. Drain air tank more often in humid weather and use an air line filter.

## SPECIFICATIONS

Model #	PC 1001
<b>Motor</b>	
Horsepower	2 Equivalent
Voltage	115
Amperage	15
Hz.	60
Phase	Single
RPM	3400
<b>Compressor Pump</b>	
Number of Cylinders	1
Compression Stage	1
Lubrication	Splash
Oil Type	Non-detergent
Crankcase	Aluminum
Bearings	Ball
Cylinder	Steel sleeve inserts
Valves	Reed-Single
Head	Aluminum
Filter	Canister
<b>Motor/Pressure Switch Setting</b>	
Cut-out	116 PSI
Cut-in	87 PSI
Controls	Start/stop
<b>Air tank</b>	
Capacity	4.3 gallons
<b>Performance</b>	
CFM Air Displacement	7.7
CFM @ 40 PSI	5.3
CFM @ 90 PSI	4.0
CFM @ 116 PSI	3.6
Maximum Pressure	116 PSI
Pump-up Time: 0-116 PSI	1 min., 10 sec.
Recovery Time: 90-116 PSI	15 seconds
<b>Weight</b>	
Net	54 lbs.
Shipping	56 lbs.
<b>Dimensions</b>	
Basic LxWxH	20"x14"x16"
Cubic Feet	2.6'

# **SENCO COMPRESSOR AND PARTS WARRANTY**

**This compressor has been designed and constructed using the highest standards of material and workmanship.**

## **COMPRESSOR WARRANTY:**

The length of this guarantee is **one year** from date of purchase by the **original retail purchaser**. During this period, Senco Products, Inc., will repair or replace at Senco's option, any original part or parts for the original retail purchaser. This will be done free of charge, provided the parts are determined defective in materials or workmanship upon examination by a Senco Authorized Warranty Service Center, with the exceptions and exclusions described below. Any replacement part provided will carry a warranty for the balance of the period of warranty applicable to the part it replaces. When repair or replacement of parts or compressor is necessary, the original retail purchaser returns the complete compressor or part, with transportation prepaid, to the nearest Senco Authorized Warranty Service Center, with purchase receipt or other positive proof that the part or compressor is within the warranty period.

Senco warrants all parts (except those listed below) of your Senco air compressor to be free from defects in materials and workmanship during the following periods:

1. For 1 year from date of original purchase:  
Compressor Pump      Pilot Valve  
Tank Assembly        Plumbing  
Flywheel                Throttle Control  
Power Cord
2. For 90 days from date of original purchase:  
Pressure Gauge        Pressure Relief  
Valve Draincocks

Defective parts not subject to normal wear and tear will be repaired or replaced, at our (Senco's) option, during warranty period. In any event, reimbursement is limited to the purchase price paid.

## **EXCLUSIONS:**

1. Engine/Motor is covered under separate warranty by its respective manufacturer and is subject to the terms set forth therein.
2. Normal wear parts not covered under warranty:  
Isolators      Drive Belt  
Air Filter
3. This warranty does not cover parts damaged due to normal wear, misapplication, misuse, accidents, operation at other than recommended speeds or voltage (electric units only), improper storage, or damages resulting during shipping.
4. Deviation from operating instructions, specifications, and maintenance schedules.
5. Labor charges, loss or damage resulting from improper operation, maintenance or repairs made by person(s) other than a Senco Authorized Warranty Service Center.
6. The use of other than genuine Senco Repair Parts will void warranty.

This warranty is contingent upon proper use of the compressor by purchaser and does not cover:

- (A) Abnormal conditions, accident, neglect, misuse or improper storage of the unit.
- (B) Deviation from operating or maintenance instructions.
- (C) Modifications not authorized by Senco.
- (D) Repairs or maintenance (other than routine air tank draining and oil filter changes required by your operating and maintenance manual) made by persons other than Senco or its authorized agents.
- (E) Freight damage.

THIS WARRANTY IS THE ONLY WARRANTY ON THIS COMPRESSOR, AND ALL OTHER WARRANTIES, WHETHER ORAL, WRITTEN, EXPRESS, OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE EXCLUDED. BUYER'S OR USER'S REMEDIES ARE SOLELY AND EXCLUSIVELY AS STATED ABOVE. SENCO PRODUCTS, INC. SHALL IN NO EVENT BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL, INDIRECT, OR SPECIAL DAMAGES. IN NO EVENT, WHETHER AS A RESULT OF A BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE) OR OTHERWISE, SHALL SENCO'S LIABILITY EXCEED THE PRICE OF THE COMPRESSOR WHICH HAS GIVEN RISE TO THE CLAIM OR LIABILITY. ANY LIABILITY CONNECTED WITH THE USE OF THIS COMPRESSOR SHALL TERMINATE UPON THE EXPIRATION OF THE WARRANTY PERIOD SPECIFIED ABOVE.

### **Replacement of Compressor Due to Natural Disaster**

Senco will also replace any compressor destroyed by an Act of God such as flood, earthquake, hurricane or other disaster resulting only from the forces of nature. Such a claim will be honored provided that such original retail purchaser had previously submitted a completed warranty registration card, and then submits proof of ownership and an acceptable statement describing such Act of God documented by an insurance carrier, police department, or other official governmental source. To obtain instructions for filing a claim call 1-800-543-4596.

**SENCO PRODUCTS, INC.  
CINCINNATI, OHIO 45244-1611 USA**